



Mr. Eric Winiecki  
EPA Project Coordinator  
U.S. Environmental Protection Agency, Region 10  
1200 Sixth Avenue, Suite 900  
Seattle, WA 98101

Subject:  
DOCKET NO. SDWA-10-2013-0080, Yakima Valley Dairies  
April 2013 Monthly Progress Report

Dear Mr. Winiecki:

Please find attached the Yakima Valley Dairies Monthly Progress Report for the period April 11 to May 10, 2013, submitted on behalf of: (1) Cow Palace, LLC; (2) D & A Dairy, LLC (also known as D&A Dairy L.L.C.), George DeRuyter & Son Dairy, L.L.C., and George & Margaret, L.L.C; and (3) Liberty Dairy LLC and its associated dairy facility H&S Bosma Dairy. If you have any questions or comments, please do not hesitate to call. Thank you.

Sincerely,

ARCADIS U.S., Inc.

Kevin M. Freeman  
YVD Project Coordinator

Attachments:  
Monthly Progress Report, April 11 to May 10, 2013

Copies:  
[Redacted], Cow Palace LLC  
[Redacted], George DeRuyter & Son Dairy LLC  
[Redacted], Liberty Dairy LLC  
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ENVIRONMENT

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Our ref:  
SK030326.0001  
SK030334.0001  
SK030335.0001

Imagine the result

YAKIMA VALLEY DAIRIES (YVD)

Docket No, SDWA-10-2013-0080

Monthly Progress Report [per Consent Order (CO) Statement of Work (SOW) III.K.1]

Period: April 11, 2013 to May 10, 2013

Task Number	Task Title	Actions Completed During Reporting Period	Work Planned for Next 60 days	Problems Encountered/Anticipated and Solutions Developed/ Implemented
<b>GENERAL TASKS</b>				
1	Identify Project Coordinator (Consent Order 16. b.) and Contractor (notification of subsequent contractors must be provided to EPA 20 days prior to commencement of Work) (Consent Order 16.a.)	None	<b>TASK COMPLETE</b>	
4	Notify EPA regarding interest in participating in the public involvement process (III.C.)	YVD notified EPA of intent to participate on April 18, 2013.	<b>TASK COMPLETE</b>	
<b>PROVISION OF WATER (III.D.)</b>				
5	Submit Residential Well Sampling QAPP (III.D.2.)	Revised QAPP per EPA comments and submitted revised QAPP to EPA on April 26, 2013.	Receive comments and/or approval from EPA. Initiate Task 6 as per SOW.	
6	Test each residential drinking water well within the Dairy Facilities boundary and within one mile downgradient of the Dairy Facilities (III.D.3.)	None	Anticipate to begin residential well sampling during May 2013, depending on EPA approval of QAPP.	
7	Provide residents results of Hach test strip (III.D.4.)	None	Action related to initiation of Task 6	
8	Provide preliminary results of laboratory analysis of residential drinking water well samples to EPA (III.D.4.)	None	Action related to initiation of Task 7	
9	Provide validated laboratory analytical results to each resident and to EPA (III.D.4.)	None	Action related to initiation of Task 8	

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10	Provide reverse osmosis treatment system (or other EPA approved alternative water supply) to each owner/occupant that accepts offer for alternative water (III.D.5)	None	Actions related to initiation of Task 9.	
11	Submit Residential Well Sampling Report	None	None	
<b>GROUNDWATER MONITORING (III.E.)</b>				
12	Submit Groundwater Monitoring QAPP (III.E.1.)	Initiated preparation of QAPP and HSP.	Submit QAPP to EPA by 5/20/2013. Respond to EPA comments. Begin scheduling drilling contractor and coordinating/clearing actual well locations with EPA. Perform utility clearance. Possible initiation of drilling activities.	
13	Submit Groundwater Monitoring Well Installation Report (III.E.2.)	None	None	
14	Report validated groundwater nitrate analytical results (III.A.3.e.(1))	None	None	
15	Quarterly Groundwater Monitoring Data Reports (III.E.3.)	None	None	
16	Annual Groundwater Monitoring Data Report (III.E.3.)	None	None	

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<b>IMMEDIATE SOURCE CONTROL ACTIONS (III.F.)</b>				
17	Submit Dairy Facility Application Field Management Plan (III.F.1.)	Initiated preparation of Plan.	Submit credentials of agricultural professional to EPA for review. Prepare Plan and submit to EPA by 5/20/2013.	Discussions with Agricultural Professional indicate that soil samples collected as part of SOW Section III.F.1 should be analyzed for ammonium (NH <sub>4</sub> <sup>+</sup> ) instead of ammonia (NH <sub>3</sub> ). ARCADIS will prepare and submit a modification request in accordance with Section 45 of the AOC as part of Plan submission.
18	Submit Dairy Facility Application Field Reports (III.A.3.e.(2))	None	None	
19	Submit Irrigation Water Management Plan (III.F.2.)	Initiated preparation of Plan.	Submit credentials of irrigation professional to EPA for review. Prepare Plan and submit to EPA by 6/17/2013.	
20	Implement Irrigation Water Management Plan (III.F.2.)	None	None	
21	Take action to reduce nitrate contributions from silage storage (III.F.3.)	Initiated facility reviews related to silage storage practices.	Provide recommendations of potential actions to YVD. Initiate implementation of recommended actions. Provide memorandum of observations and actions to EPA.	
22	Take action to reduce nitrate contributions from solid separator (III.F.4)	Initiated facility reviews related to solid separator(s).	Provide recommendations of potential actions to YVD. Initiation implementation of recommended actions. Provide memorandum of observations and actions to EPA.	
23	Install backflow prevention system (III.F.5)	Submitted backflow prevention system verification memorandum to EPA on April 18, 2013.	<b>TASK COMPLETE</b>	

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24	Submit Lagoon Review Report (III.F.6.)	Continued review of available documents related to lagoon construction; initiated preparation of Report	Submit Report to EPA by 5/20/2013. Initiate Task 25 based on EPA review of Report.	
25	Submit Lagoon Evaluation Plan (III.F.6).	None	None	
26	Submit Lagoon Evaluation Report and Lagoon Work Plan (III.F.6)	None	None	
27	Submit records of locations to which manure is transported off of the Dairy Facilities (III.F.7)	None	None	
28	Eliminate furrow irrigation (III.F.8.)	None	None	
29	Submit Plan for assessment of area surrounding monitoring well DC-03 (III.F.12.)	Preparaed Plan.	Submit Plan to EPA by 5/20/2013.	
	<b>REPORTING (III.K.)</b>			
34	Monthly Progress Reports (III.K.1.)	March Monthly Progress Report submitted to EPA on April 26, 2013. Prepared April MPR.	Submit April MPR to EPA on May 15, 2013. Prepare May MPR. Prepare June MPR.	
35	Annual Reports (III.K.2.)	None	None	